

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original): A method of fabricating a liquid crystal display device, comprising:
- forming a first orientation film on a first substrate;
 - forming a second orientation film on a second substrate;
 - spacing the first and second substrates apart by a gap;
 - forming a ferroelectric liquid crystal layer between the first and second substrates, the ferroelectric liquid crystal layer having an additive;
 - aligning the ferroelectric liquid crystal layer around a phase transition temperature of a SmC* phase; and
 - forming polymer networks in the ferroelectric liquid crystal layer by polymerizing the additives.
2. (Original): A method of fabricating a liquid crystal display device according to claim 1, wherein the additive includes an acrylate compound.
3. (Original): A method of fabricating a liquid crystal display device according to claim 1, wherein a weight % of the additive in the ferroelectric liquid crystal layer is between 1 and 3%.
4. (Original): A method of fabricating a liquid crystal display device according to claim 1, wherein the polymer networks are formed by exposing the ferroelectric liquid crystal layer to light.

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5. (Original): A method of fabricating a liquid crystal display device according to claim 4, wherein the exposing light is ultraviolet.

6. (Original): A method of fabricating a liquid crystal display device according to claim 5, wherein the energy of the ultraviolet is between 40 and 200 nJ/cm².

7. (Original): A method of fabricating a liquid crystal display device according to claim 5, wherein the power of the ultraviolet is between 1 and 5 mW/cm².

8. (Original): A method of fabricating a liquid crystal display device according to claim 1, wherein the polymer networks are formed along molecule layer boundaries of the ferroelectric liquid crystal layer.

9. (Original): A method of fabricating a liquid crystal display device according to claim 1, wherein the polymer networks are formed across molecule layer boundaries of the ferroelectric liquid crystal layer.

10. (Original): A method of fabricating a liquid crystal display device according to claim 1, wherein the phase transition temperature includes those from the SmA phase to the SmC* phase.

11. (Original): A method of fabricating a liquid crystal display device according to claim 1, wherein the phase transition temperature includes those from the N* phase to the SmC* phase.

12. (Currently Amended): A method of fabricating a liquid crystal display device according to

claim 1, wherein [the electric field is] the ferroelectric liquid crystal layer is aligned around the phase transition temperature of the SmC* phase by applying a direct current electric field.

13. (Withdrawn): A liquid crystal display device, comprising:

- a first orientation film on a first substrate;
- a second substrate spaced apart from said first substrate by a gap;
- a second orientation film on the second substrate; and
- a ferroelectric liquid crystal in the gap, wherein the ferroelectric liquid crystal layer includes a polymer network.

14. (Withdrawn): A liquid crystal device according to claim 13, wherein the polymer network is a polymerized additive.

15. (Withdrawn): A liquid crystal device according to claim 14, wherein the additive includes an acrylate compound.

16. (Withdrawn): A liquid crystal device according to claim 14, wherein the additive is between 1 and 3% by weight of the ferroelectric liquid crystal layer.

17. (Withdrawn): A liquid crystal device according to claim 13, wherein the polymer network is along molecule layer boundaries of the ferroelectric liquid crystal layer.

18. (Withdrawn): A liquid crystal device according to claim 13, wherein the polymer network is across molecule layer boundaries of the ferroelectric liquid crystal layer.

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19. (Withdrawn): A liquid crystal device according to claim 13, further comprising a backlight.

20. (Withdrawn): A liquid crystal device according to claim 13, further comprising a thin film transistor.

21. (Withdrawn): A liquid crystal device according to claim 13, wherein the first substrate is transparent.

22. (Withdrawn): A liquid crystal device according to claim 21, further comprising a pixel electrode on the first substrate.

23. (Withdrawn): A liquid crystal device according to claim 13, further comprising a color filter on the second substrate.
